FIG. 1

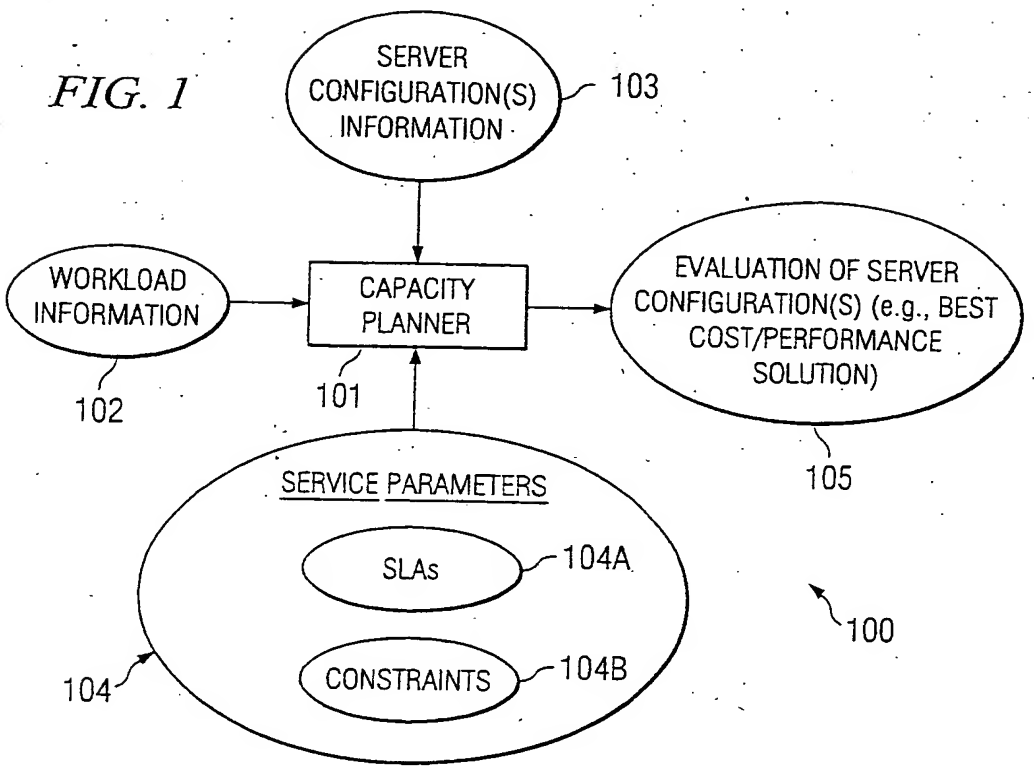

SERVER CONFIGURATION(S) INFORMATION
103
WORKLOAD INFORMATION
102
CAPACITY PLANNER
101
EVALUATION OF SERVER CONFIGURATION(S) (e.g., BEST COST/PERFORMANCE SOLUTION)
105
SERVICE PARAMETERS
SLAs
104A
CONSTRAINTS
104B
104
100

FIG. 2

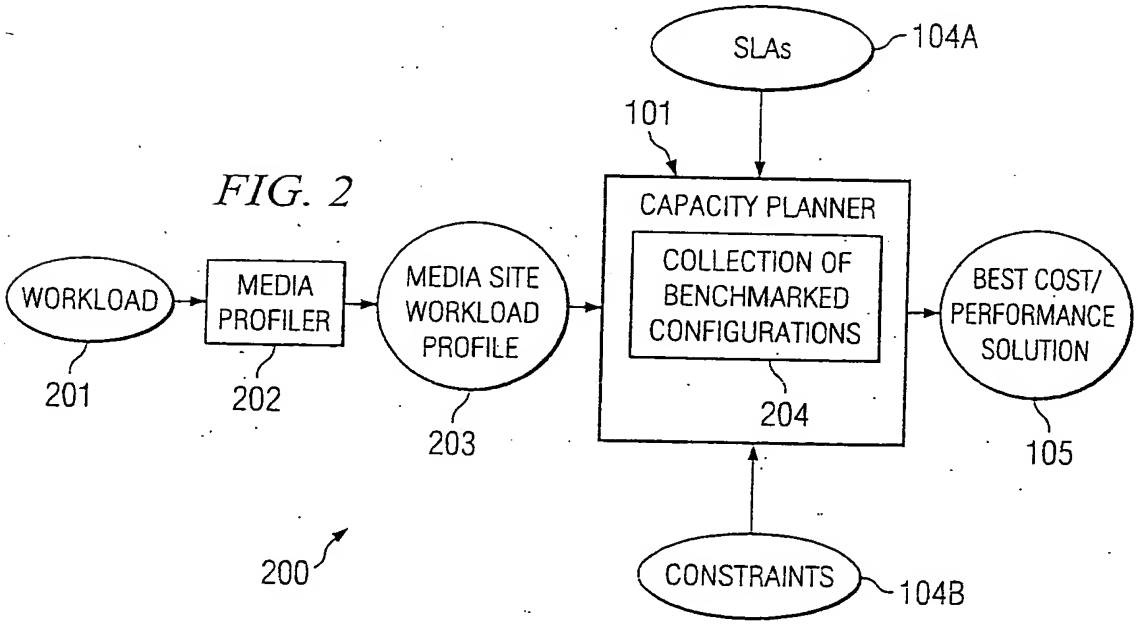

SLAs
104A
101
CAPACITY PLANNER
COLLECTION OF BENCHMARKED CONFIGURATIONS
204
WORKLOAD
201
MEDIA PROFILER
202
MEDIA SITE WORKLOAD PROFILE
203
BEST COST/ PERFORMANCE SOLUTION
105
CONSTRAINTS
104B
200

FIG. 3A

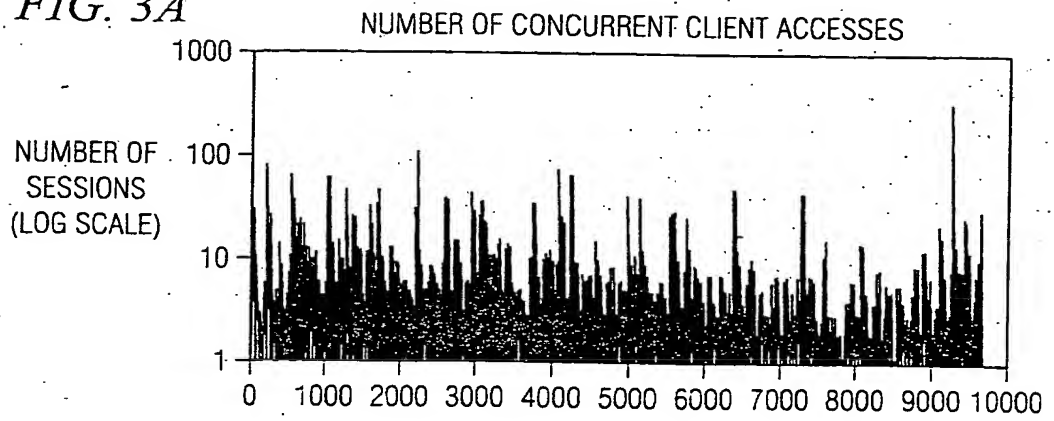


FIG. 3B

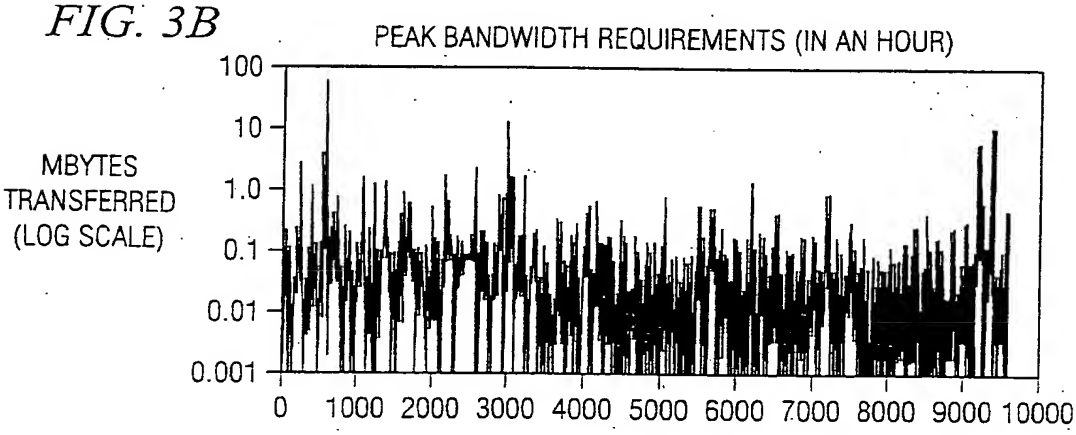


FIG. 4A

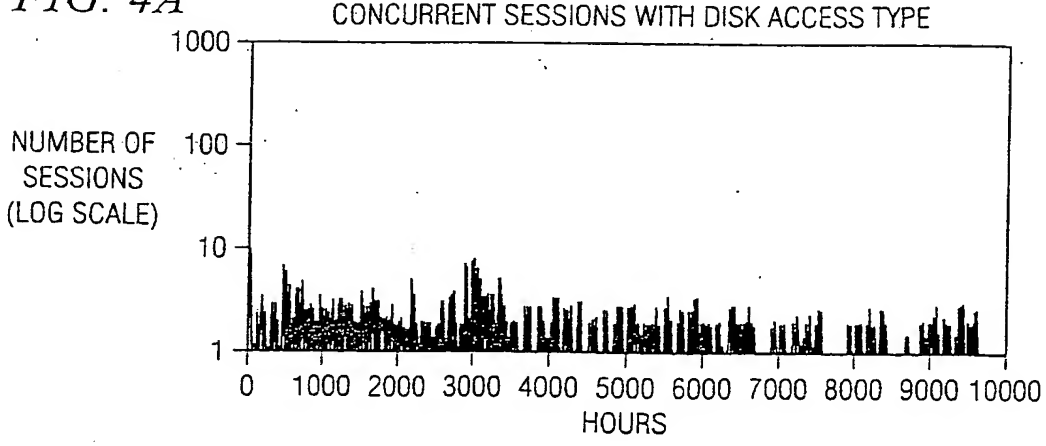


FIG. 4B

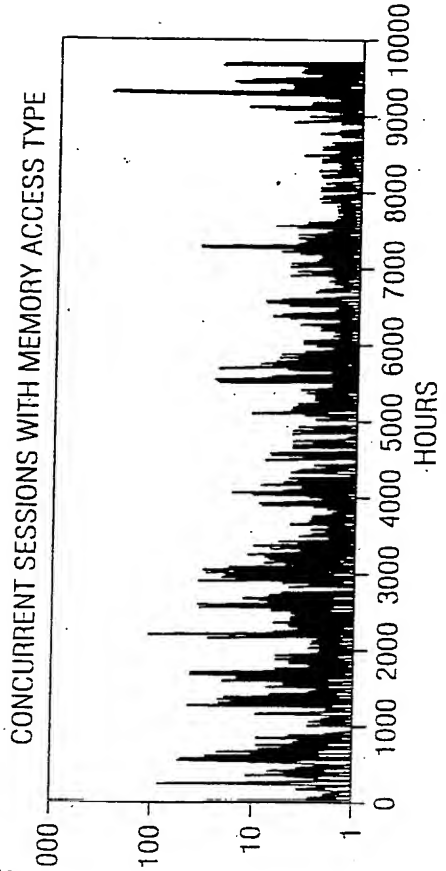


FIG. 5

203

TIME	CONCURRENT CONNECTIONS															
	28Kb/s		56Kb/s		112Kb/s		256Kb/s		350Kb/s		500Kb/s					
	MEMORY	DISK	MEMORY	DISK	MEMORY	DISK	MEMORY	DISK	MEMORY	DISK	MEMORY	DISK				
T_1	2	1	0	2	3	0	6	1	5	0	8	2				

FIG. 6

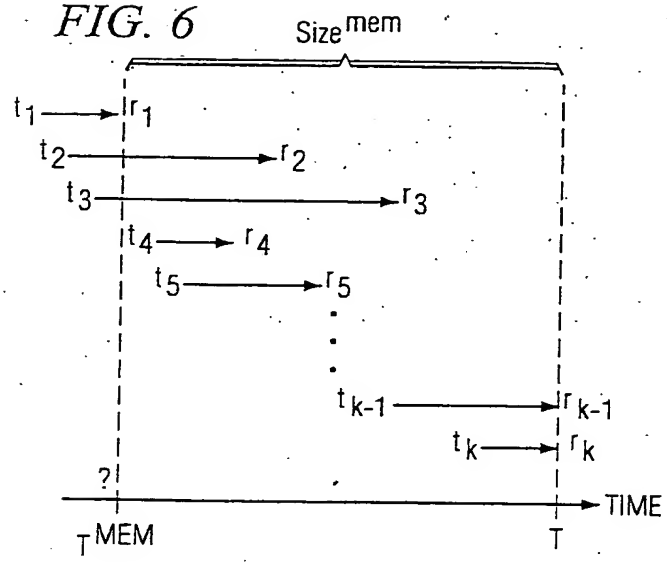


FIG. 7

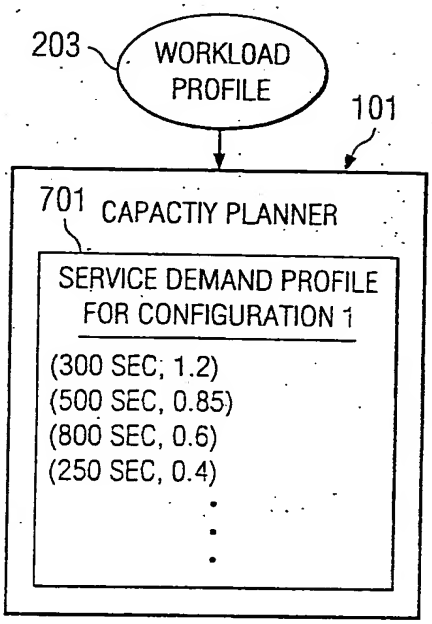


FIG. 11

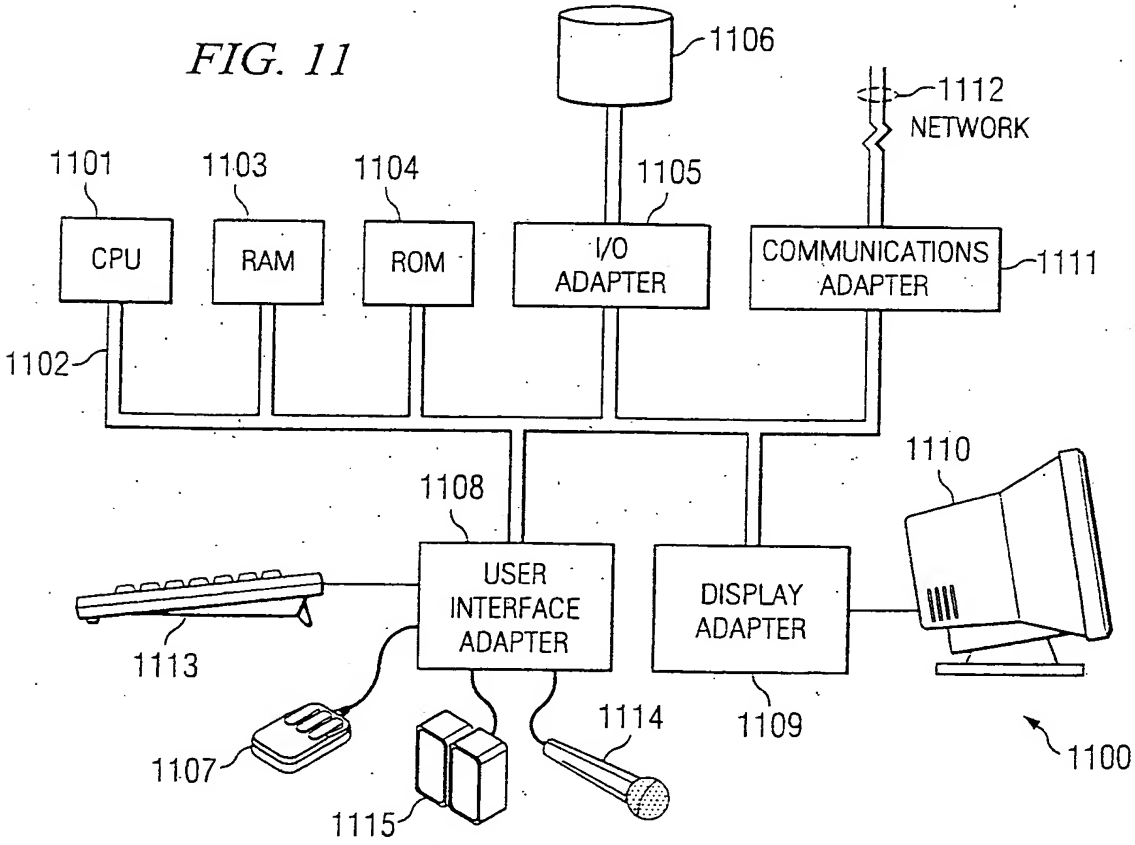


FIG. 9

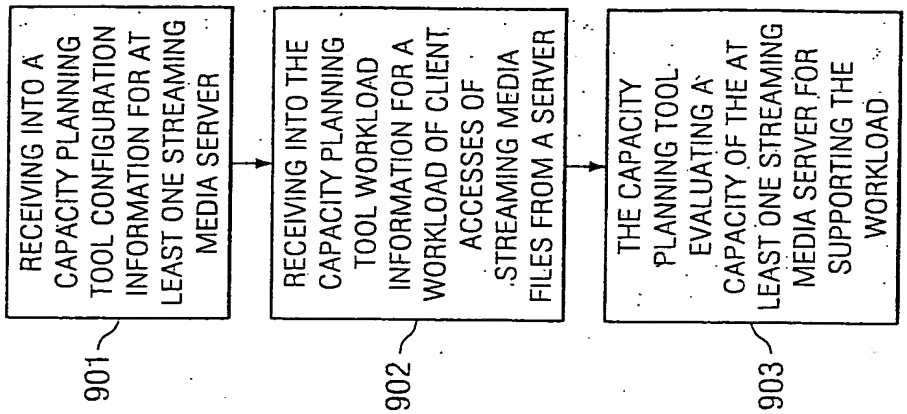

RECEIVING INTO A CAPACITY PLANNING TOOL CONFIGURATION INFORMATION FOR AT LEAST ONE STREAMING MEDIA SERVER
901
RECEIVING INTO THE CAPACITY PLANNING TOOL WORKLOAD INFORMATION FOR A WORKLOAD OF CLIENT ACCESSES OF STREAMING MEDIA FILES FROM A SERVER
902
THE CAPACITY PLANNING TOOL EVALUATING A CAPACITY OF THE AT LEAST ONE STREAMING MEDIA SERVER FOR SUPPORTING THE WORKLOAD
903

FIG. 8

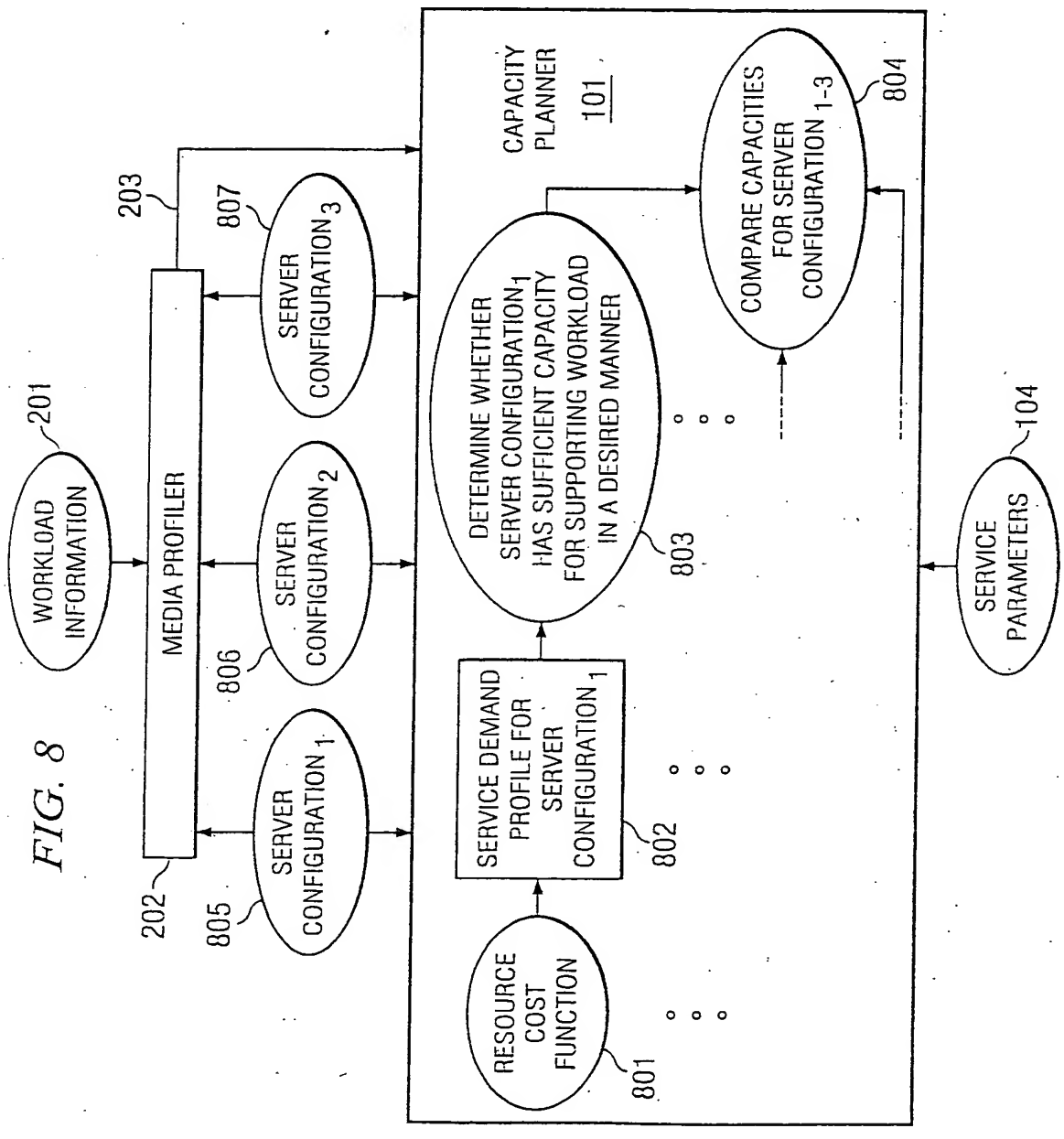
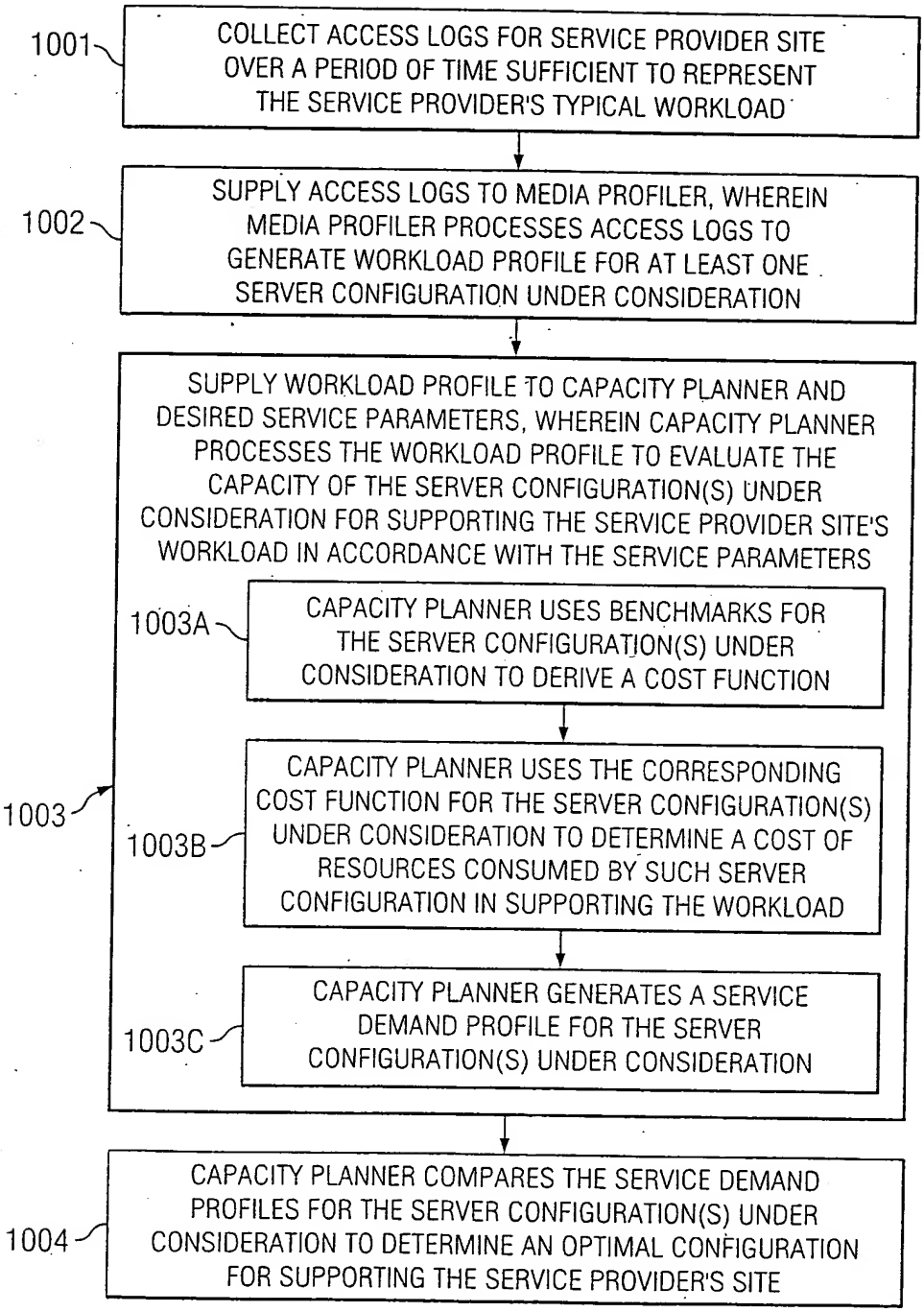

WORKLOAD INFORMATION
201
MEDIA PROFILER
202
203
SERVER CONFIGURATION 1
805
SERVER CONFIGURATION 2
806
SERVER CONFIGURATION 3
807
CAPACITY PLANNER
101
RESOURCE COST FUNCTION
801
SERVICE DEMAND PROFILE FOR SERVER CONFIGURATION 1
802
DETERMINE WHETHER SERVER CONFIGURATION 1 HAS SUFFICIENT CAPACITY FOR SUPPORTING WORKLOAD IN A DESIRED MANNER
803
COMPARE CAPACITIES FOR SERVER CONFIGURATION 1-3
804
SERVICE PARAMETERS
104

FIG. 10


1001
COLLECT ACCESS LOGS FOR SERVICE PROVIDER SITE OVER A PERIOD OF TIME SUFFICIENT TO REPRESENT THE SERVICE PROVIDER'S TYPICAL WORKLOAD
1002
SUPPLY ACCESS LOGS TO MEDIA PROFILER, WHEREIN MEDIA PROFILER PROCESSES ACCESS LOGS TO GENERATE WORKLOAD PROFILE FOR AT LEAST ONE SERVER CONFIGURATION UNDER CONSIDERATION
1003
SUPPLY WORKLOAD PROFILE TO CAPACITY PLANNER AND DESIRED SERVICE PARAMETERS, WHEREIN CAPACITY PLANNER PROCESSES THE WORKLOAD PROFILE TO EVALUATE THE CAPACITY OF THE SERVER CONFIGURATION(S) UNDER CONSIDERATION FOR SUPPORTING THE SERVICE PROVIDER SITE'S WORKLOAD IN ACCORDANCE WITH THE SERVICE PARAMETERS
1003A
CAPACITY PLANNER USES BENCHMARKS FOR THE SERVER CONFIGURATION(S) UNDER CONSIDERATION TO DERIVE A COST FUNCTION
1003B
CAPACITY PLANNER USES THE CORRESPONDING COST FUNCTION FOR THE SERVER CONFIGURATION(S) UNDER CONSIDERATION TO DETERMINE A COST OF RESOURCES CONSUMED BY SUCH SERVER CONFIGURATION IN SUPPORTING THE WORKLOAD
1003C
CAPACITY PLANNER GENERATES A SERVICE DEMAND PROFILE FOR THE SERVER CONFIGURATION(S) UNDER CONSIDERATION
1004
CAPACITY PLANNER COMPARES THE SERVICE DEMAND PROFILES FOR THE SERVER CONFIGURATION(S) UNDER CONSIDERATION TO DETERMINE AN OPTIMAL CONFIGURATION FOR SUPPORTING THE SERVICE PROVIDER'S SITE